

Penstemon floribundus D. Danley**CORDELIA BEARDTONGUE**

FAMILY: *Scrophulariaceae*, the figwort family.

STATUS:

Heritage Program SENSITIVE LIST, ranks: G1 S1

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** none.

NNNPS: watch list.

POPULATION CENSUS: 6 occurrences mapped at 1.0 km (0.6 mi) separation, OR 8 occurrences mapped at 0.16 km (0.1 mi) separation; total estimated individuals 1037, total estimated area 3.2+ ha (7.9+ ac). **TREND:** unknown.

IMPACTS AND MAJOR THREATS: Vulnerable to mineral exploration and development, no immediate threats known.

INVENTORY EFFORT: Most recent entered survey 1987, average year of last survey 1987.

Years since last entered survey (percent of mapped records at various survey ages): **11-20 yrs:** 100%.

LAND MANAGEMENT: U. S. Bureau of Land Management.

RANGE: Humboldt County, Nevada. Endemic to northwestern Nevada, found on the west side of the Jackson Mountains. Maximum range dimension 17.8 km (11.1 mi) excluding most disjunct record.

ELEVATIONS RECORDED: 4240-7400 feet (1292-2256 meters).

HABITAT: Dry, open, mostly dark-colored volcanic talus, very rocky slopes, or alluvium derived therefrom, on all aspects but predominantly westerly, variously associated with *Juniperus osteosperma*, *Atriplex confertifolia*, *Sarcobatus vermiculatus*, *Artemisia spinescens*, *A. tridentata*, *Grayia spinosa*, *Ephedra nevadensis*, *Penstemon deustus*, *P. speciosus*, *Lewisia rediviva*, etc. Also reported but not confirmed on carbonate materials.

PHENOLOGY: flowering late-spring. Range of most frequent survey months: May-June.

LIFE-FORM AND HABIT: matted semi-woody perennial herb.

DESCRIPTION: A perennial herb, 1.2-2.3 dm tall, with tubular blue-violet flowers blooming on the top half of the stems. Flowers May-June.

PHOTOGRAPHS: Knight (1988); Nevada Natural Heritage Program slide collection (1986-present) and files.

ILLUSTRATIONS: none known.

SPECIFIC REFERENCES:

Danley, D. M. 1985. A new *Penstemon* (*Scrophulariaceae*) from northwestern Nevada. *Brittonia* 37: 321-324.

Knight, T. A. 1988. Status report for *Penstemon floribundus* Danley. Carson City: Nevada Natural Heritage Program, prepared for the Bureau of Land Management, Winnemucca District, Winnemucca, Nevada.

OF FURTHER INTEREST: Described in *Brittonia* 37(3): 321-324, 1985.
